

PLANTING GUIDE

Pascopyrum smithii (Rydb.) Love

=Agropyron smithii Rydb.

Species

western wheatgrass

Common Name

'Rodan'

Mandan-456

PI-47993

Number

1. 'Rosana'

Standard

2.

Standard

Description

'Rodan' western wheatgrass is a native, perennial, cool-season sod-forming grass. 'Rodan' is moderately rhizomatous and forms a dense blue-green sward. Leaves are thinner and less heavily veined than other western wheatgrass.

Origin

'Rodan' originated from a 70 acre seed increase field of unknown origin grown in the Missouri River bottoms near Mandan, North Dakota. Selection, progeny tested and released by the USDA, ARS, Mandan, ND in cooperation with USDA, SCS, Plant Materials Center, Bismarck, ND.

Long Range Plan for Field Plantings 38F456H

Site Selection, Establishment, Maintenance and Evaluation.

Soils: medium to fine textured soils, neutral to alkaline conditions

Fertilizer: None

Seedbed: smooth, firm, weed free

Seeding or Planting Date: Dormant late fall: after October 20;

Spring: April 1 - May 1

Spacing or Planting Rate: 110,000 PLS per pound; 1# PLS=2.5 seeds/square ft.

Seeding or Planting Method: Special grass drill; Broadcast at 2X normal

seeding rate

Seeding or Planting Depth: ½ inch, not to exceed ¾ inch

Innocation: None

Irrigation or Watering: Seed Production

Mixtures: Refer to SCS Technical Guide; Range Seeding Specifications,

Critical Area Planting

Evaluation of New Stand: Refer to evaluation criteria on sample SCS-PM-10 or -11 attached to Long-Range Plan for Field Plantings:

Management :

Weed Control: Post-emergent herbicide (2,4-D) may be applied at manufacturers
recommended rate after seeded grasses are in three-leaf stage
and before weeds reach 4 to 6 inch height.

Protection from Grazing: 1-2 years

Fertilizer: 50-80# actual nitrogen per acre - seed production

Irrigation: Seed production

Evaluation, Second and Succeeding Years: Refer to evaluation criteria on sample SCS-PM-10 or -11 attached to Long-Range Plan for Field Plantings:

Remarks :

Foundation seed is available from USDA, Soil Conservation Service, Plant Materials Center, Bismarck, ND.